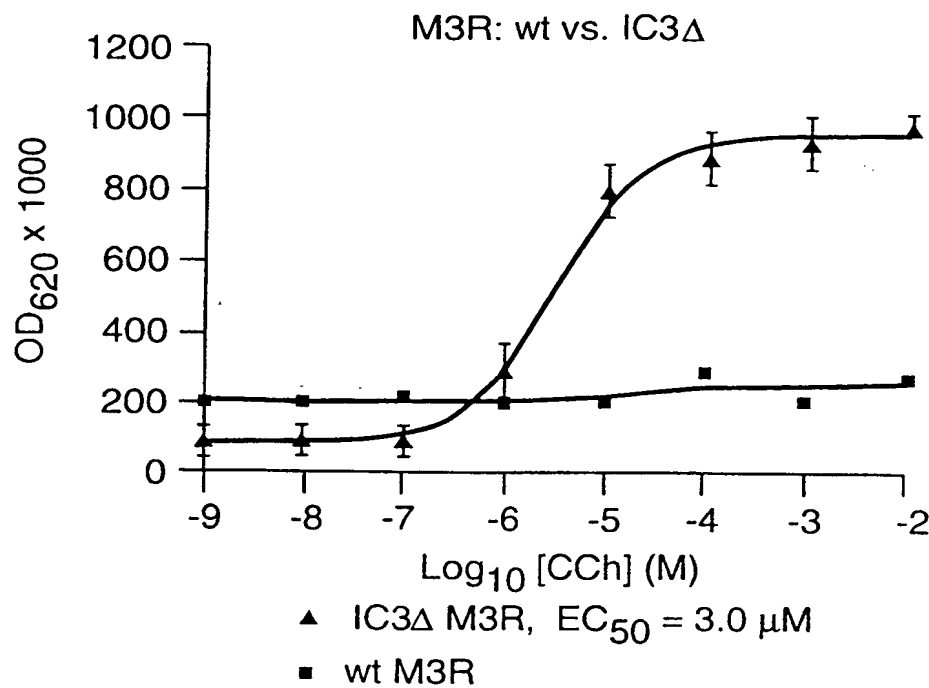
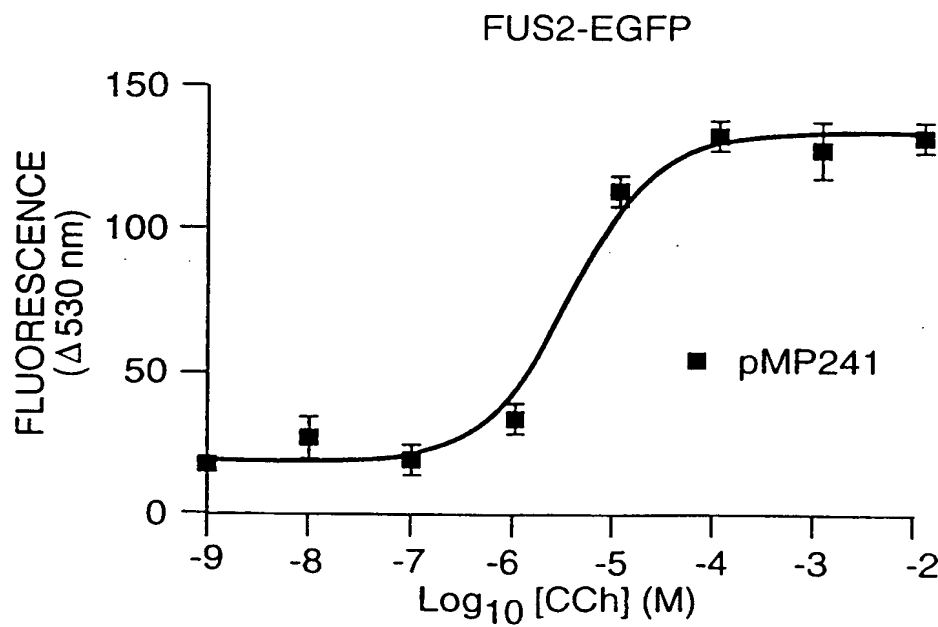
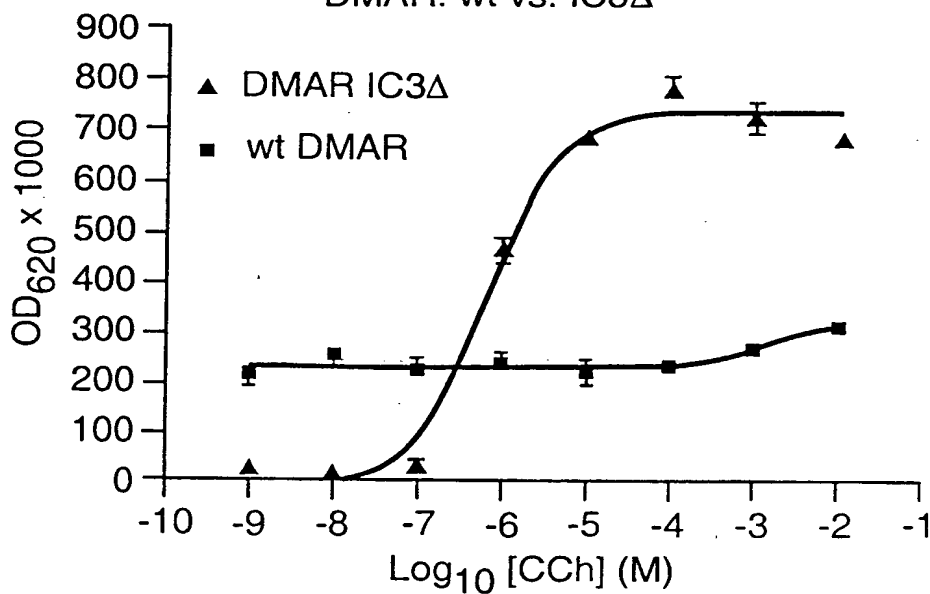
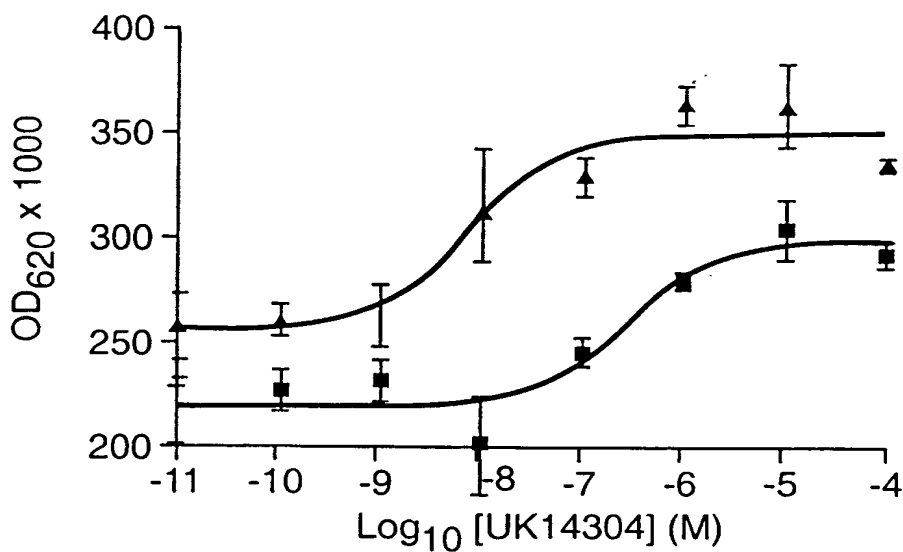


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**FIG. 1A****FIG. 1B**

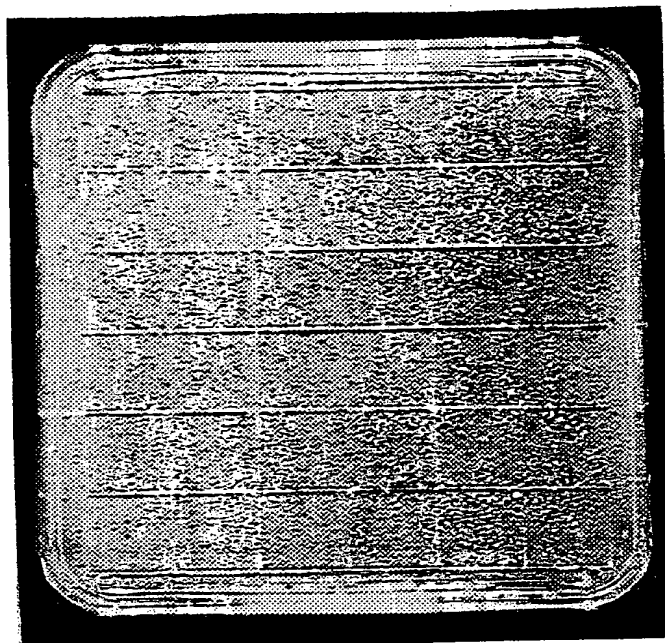
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DMAR: wt vs. IC3Δ

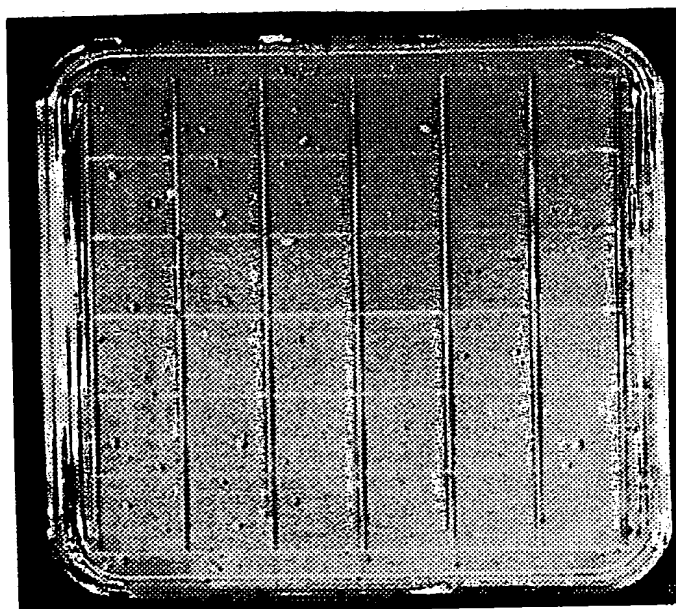
**FIG. 2** $\alpha_{2a}$  - ADRENERGIC RECEPTOR■ IC3Δ, EC<sub>50</sub> = 270 nM▲ IC3Δ CAM (T373K), EC<sub>50</sub> = 7.4 nM**FIG. 5**

SUBSTITUTE SHEET (RULE 26)

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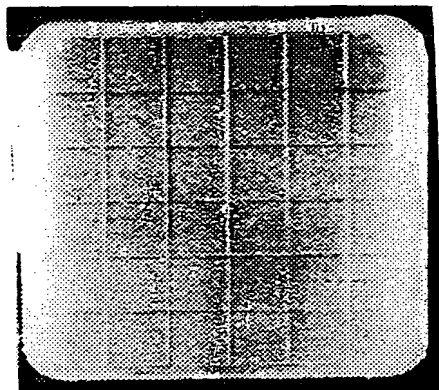
*FIG. 3A*



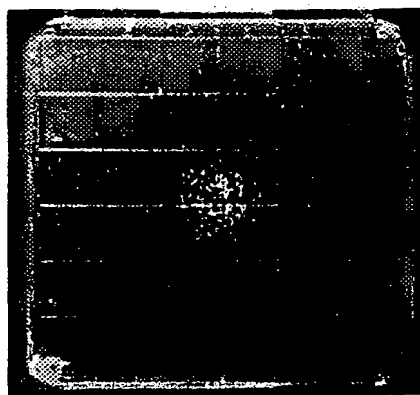
*FIG. 3B*

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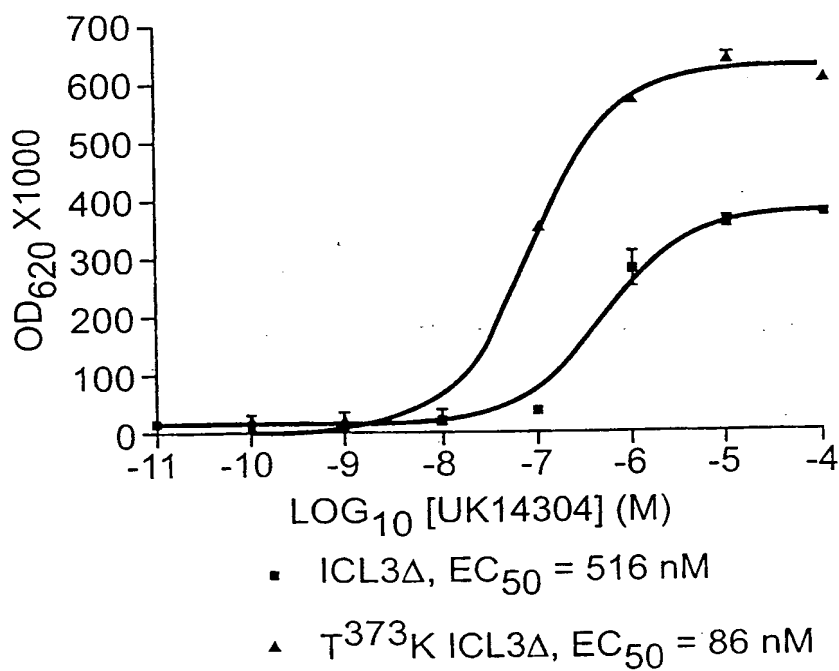


*FIG. 4A*

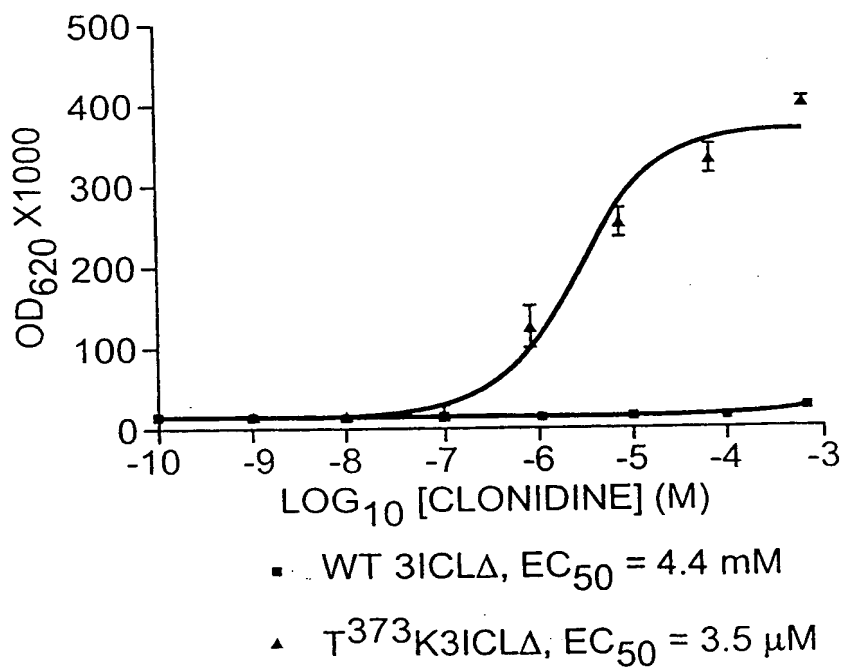


*FIG. 4B*

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h $\alpha$ <sub>2a</sub>AR (5 mM AT)

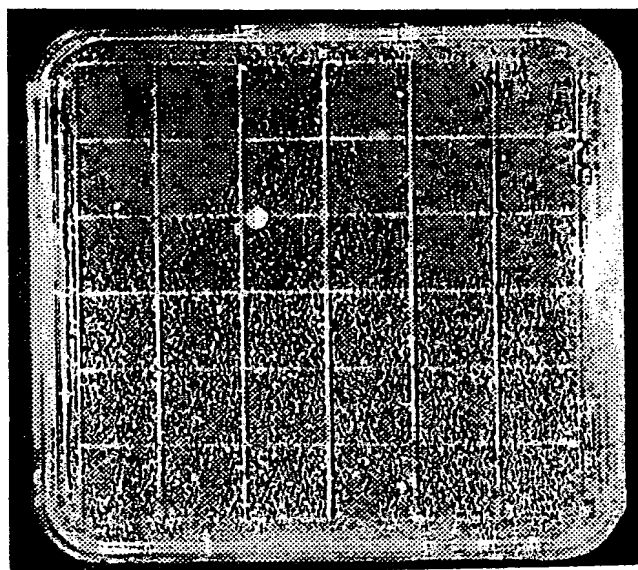


h $\alpha$ <sub>2a</sub>AR (5 mM AT)

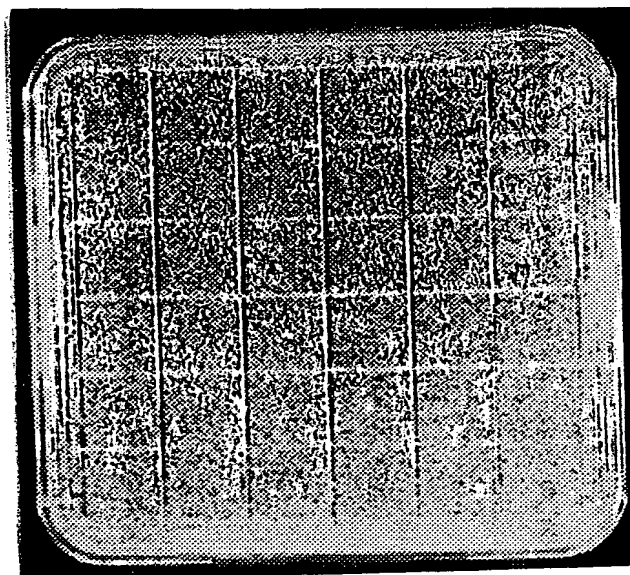


**FIG. 6**

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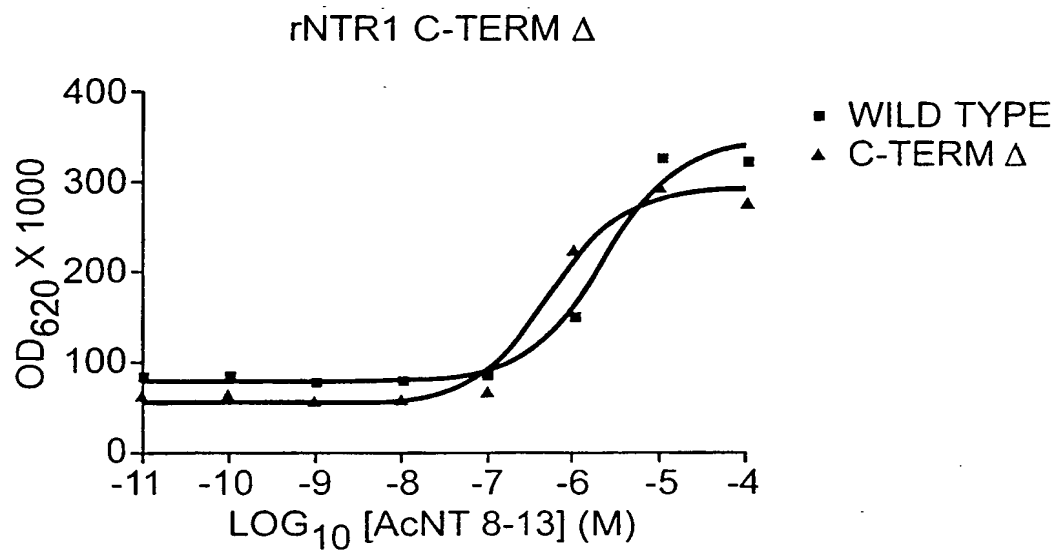
*FIG. 7A*



*FIG. 7B*

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**FIG. 8**

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Fig. 130 Sec. 00 WP256 G-100 Date 04-17-1998 Time 14:30 ID#961-8230 Fdo C-WIS2000 IMAGE MARGARET/20A.TIF

FIG. 9A

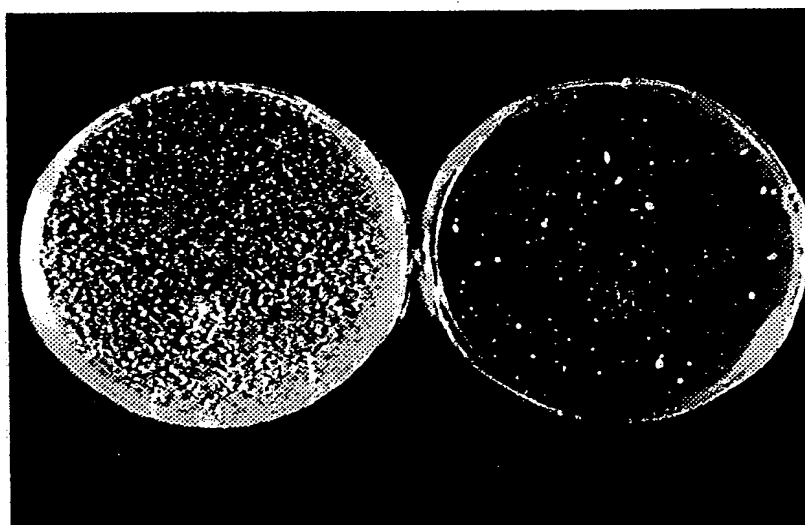
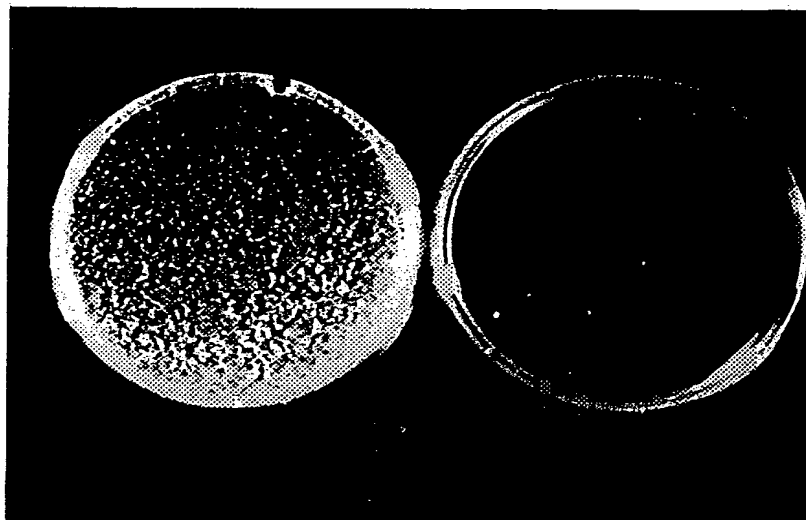


Fig. 130 Sec. 00 WP256 G-100 Date 04-24-1998 Time 09:31 ID#961-8230 Fdo C-WIS2000 IMAGE MARGARET/20A.TIF

FIG. 9B

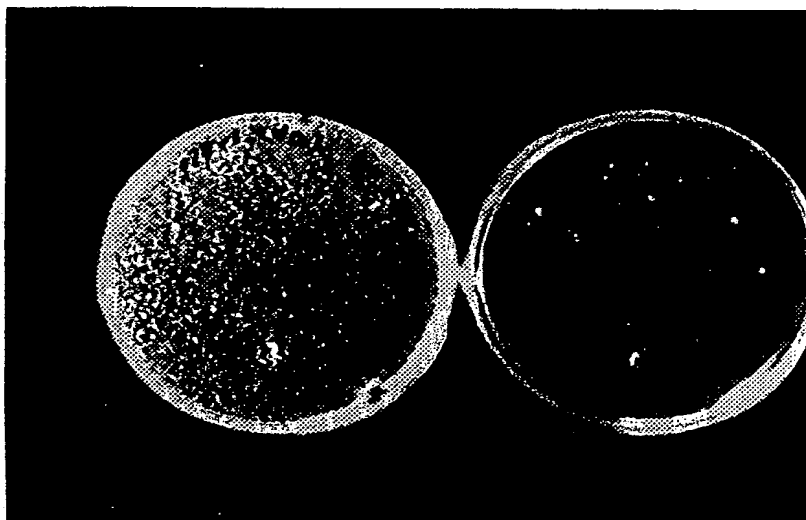


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Exp: 1.30 Sec: 0.0 W: 100 G: 1.00 Date: 04-17-1998 Time: 14:28 ID: 901-025 M File C: VMS2000 IMAGE BEING ARE TV1148.TIF

FIG. 9C



Exp: 1.30 Sec: 0.0 W: 100 G: 1.00 Date: 04-17-1998 Time: 14:28 ID: 901-025 M File C: VMS2000 IMAGE BEING ARE TV1148.TIF

FIG. 9D

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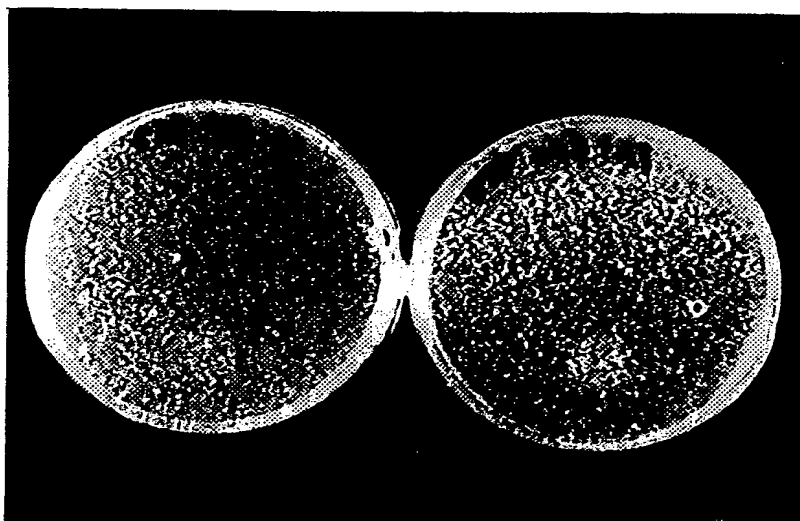


Fig. 10A

FIG. 10A

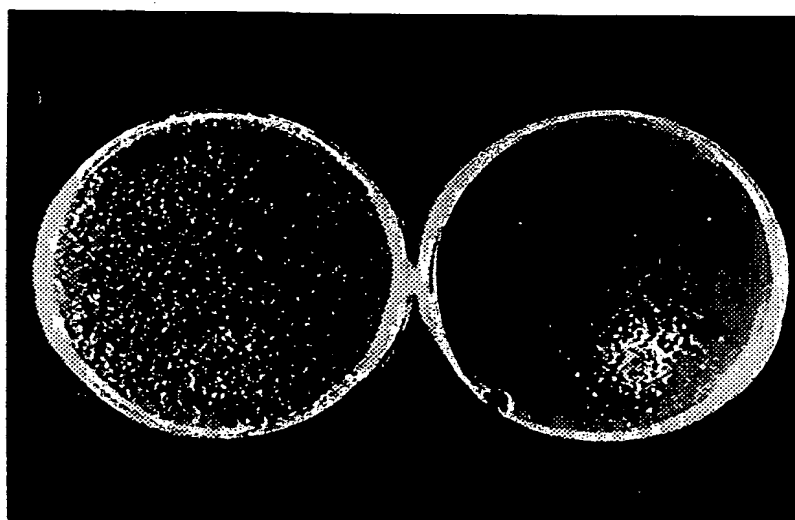


Fig. 10B

FIG. 10B

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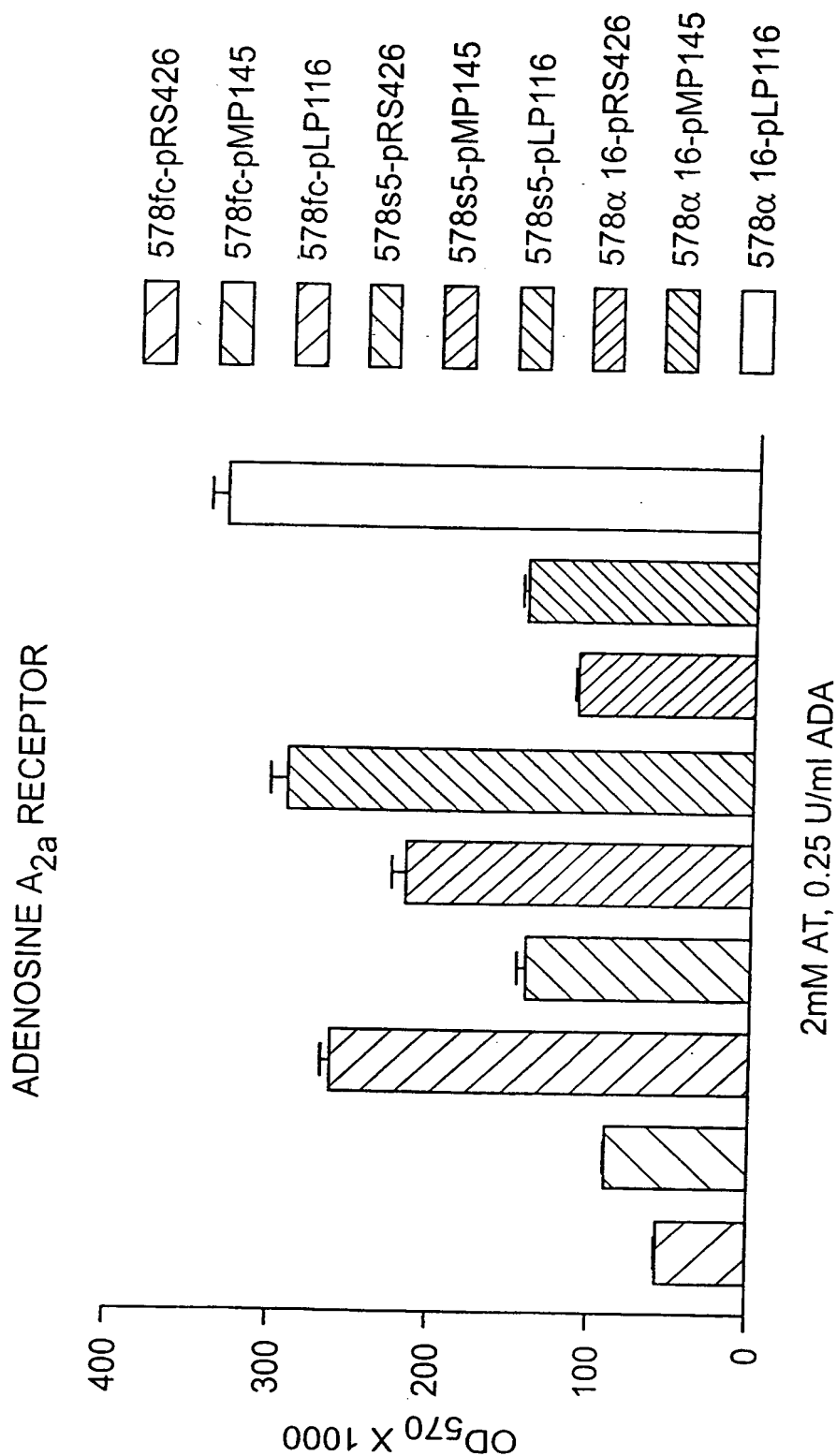
GROWTH RESPONSES ELICITED BY VARIOUS GPCRS EXPRESSED IN CHIMERIC  
G PROTEIN STRAINS

## YEAST STRAINS CONTAINING CHIMERIC GPA1 ALLELES

GPCR	GPA1	$\alpha$ i2	$\alpha$ i3	$\alpha$ o	$\alpha$ q	$\alpha$ s	$\alpha$ z	$\alpha$ 12	$\alpha$ 13	$\alpha$ 14	$\alpha$ 16
SSTR2	+	+		+			+				+
A2aR	+					+					+
M3 MAR	-				+						+
Dm MAR	-				+						+
NTR1	+				+	-					+
MCR4	+					+					+
CCK-B-R	+				+						+
CCK-A-R	+				+						+
$\beta$ 2-AR	-					+					+
$\alpha$ 2A-AR	+	+		+			+				
AcOAR	+					+					
H3R	-	-		+			-				
GnRHR	-				+						
BRS3	-						+				
V2R	+				-	+					

FIG. 11

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**FIG. 12**